

Ungleichnamige Brüche addieren/subtrah.

Lösungsblatt

$\frac{2a}{3} + \frac{3a}{2} = \frac{4a}{6} + \frac{9a}{6} = \frac{13a}{6}$	$\frac{4b}{3} + \frac{4b}{5} = \frac{20b}{15} + \frac{12b}{15} = \frac{32b}{15}$
$\frac{5c}{6} + \frac{2c}{5} = \frac{25c}{30} + \frac{12c}{30} = \frac{37c}{30}$	$\frac{2d}{9} + \frac{5d}{3} = \frac{2d}{9} + \frac{15d}{9} = \frac{17d}{9}$

$\frac{4a}{8} - \frac{a}{10} = \frac{20a}{40} - \frac{4a}{40} = \frac{16a}{40} = \frac{2a}{5}$	$\frac{2b}{4} + \frac{b}{7} = \frac{14b}{28} + \frac{4b}{28} = \frac{18b}{28} = \frac{9b}{14}$
$\frac{5c}{3} - \frac{2c}{6} = \frac{10c}{6} - \frac{2c}{6} = \frac{8c}{6} = \frac{4c}{3}$	$\frac{7d}{8} - \frac{3d}{9} = \frac{63d}{72} - \frac{24d}{72} = \frac{39d}{72} = \frac{13d}{24}$
$\frac{2e}{4} + \frac{6e}{12} = \frac{6e}{12} + \frac{6e}{12} = \frac{12e}{12} = e$	$\frac{6f}{7} - \frac{8f}{14} = \frac{12f}{14} - \frac{8f}{14} = \frac{4f}{14} = \frac{2f}{7}$

$\frac{5a}{6b} - \frac{a}{4b} = \frac{10a}{12b} - \frac{3a}{12b} = \frac{7a}{12b}$	$\frac{3c}{7d} - \frac{2c}{9d} = \frac{27c}{63d} - \frac{14c}{63d} = \frac{13c}{63d}$
$\frac{5e}{8f} + \frac{3e}{2f} = \frac{5e}{8f} + \frac{12e}{8f} = \frac{17e}{8f}$	$\frac{3g}{5h} + \frac{2g}{3h} = \frac{9g}{15h} + \frac{10g}{15h} = \frac{19g}{15h}$

$\frac{7}{3a} + \frac{2}{4a} = \frac{28}{12a} + \frac{6}{12a} = \frac{34}{12a} = \frac{17}{6a}$	$\frac{4c}{6d} + \frac{2c}{5d} = \frac{20c}{30d} + \frac{12c}{30d} = \frac{32c}{30d} = \frac{16c}{15d}$
$\frac{4e}{12f} + \frac{9e}{10f} = \frac{40e}{120f} + \frac{108e}{120f} = \frac{148e}{120f} = \frac{37e}{30f}$	$\frac{11g}{15h} - \frac{2g}{10h} = \frac{22g}{30h} - \frac{6g}{30h} = \frac{18g}{30h} = \frac{9g}{15h}$

Lösungen:

e	$\frac{37c}{30}$	$\frac{4c}{3}$	$\frac{37e}{30f}$	$\frac{9b}{14}$	$\frac{7a}{12b}$	$\frac{32b}{15}$	$\frac{13c}{63d}$	$\frac{16c}{15d}$
$\frac{2a}{5}$	$\frac{17}{6a}$	$\frac{17e}{8f}$	$\frac{13a}{6}$	$\frac{9g}{15h}$	$\frac{2f}{7}$	$\frac{19g}{15h}$	$\frac{13d}{24}$	$\frac{17d}{9}$

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